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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/380,410      | 10/28/1999  | FRANK JENAU          | 896                 | 2584             |

7590

05/06/2003

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HUNTINGTON, NY 11743

EXAMINER

DEB, ANJAN K

ART UNIT

PAPER NUMBER

2858

DATE MAILED: 05/06/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**SUPPLEMENTAL**  
**Notice of Allowability**

Application No.

09/380,410

Examiner

Anjan K Deb

Applicant(s)

JENAU ET AL.

Art Unit

2858

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 6-12-02.
2. ☒ The allowed claim(s) is/are 1-21 and 25.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
  - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☒ to Paper No. 8.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. 17.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____             |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____               | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment                  |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
|  | 9 <input type="checkbox"/> Other  |

**DETAILED ACTION**

1. This office action is in response to amendment filed 6-12-02.

***EXAMINER'S AMENDMENT***

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with attorney of record Mr. Zborovsky on 13 June 2002.

The application has been amended by replacing the abstract with the following:

***Abstract***

A method and device for measuring electrical voltage allow measurement under open-air conditions including high-voltage and very high voltage. Influence of temperature changes on electrical and optical parameters of the device are reduced by using light sources, at least one optical transmission path, at least one sensor element with at least one active sensor part made up of several sensor crystals and evaluation by Pockel's effect using optical activity in a crystal. Measurement light generated by a light source penetrates an active sensor, which has at least two

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sensor crystals and at least one active sensor part in the sensor element where there is a voltage drop and the polarization state of measurement light is used for measuring voltage. A sensor element can be made up of several active sensor parts and the total voltage obtained from the summation of partial voltages across sensor parts by an evaluation unit having a function for performing integration. Several sensor elements may be combined and transmitted optical waves are converted to electrical signals for evaluation of voltage.

### ***Drawings***

In Figure 1 and 2 a --Prior Art-- legend has been added. See MPEP § 608.02(g).

### ***Claims***

In claim 1, lines 16-17 "the scaling" has been changed to --scaling--.

In claim 9, line 9 "the scaling" has been changed to --scaling--.

### ***Allowable Subject Matter***

3. Claims 1-21,25 are allowed.

### ***Reasons for Allowance***

4. The following is an examiner's statement of reasons for allowance:

Claims 1-8 are allowed because the prior art of record, or that encountered in searches performed by the examiner does not teach or suggest the claimed method of measuring electrical

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voltage comprising evaluation means for evaluating the polarization state of measurement light traversed through sensor crystals wherein the evaluation means is used with a component assembly for scaling and multiplying input signal by a factor generated by a function unit, its input quantity representing the difference between a reference signal and a factored output signal wherein the function unit performs integration.

Claims 9-21,25 are allowed for a device for measuring alternating electrical voltage comprising evaluation means using Pockel's effect in sensor crystals penetrated by polarized light wherein the evaluation means contain at least one component assembly for scaling by multiplying input signal by a factor generated by a function unit, its input quantity representing the difference between a reference signal and a factored output signal wherein the function unit performs integration.

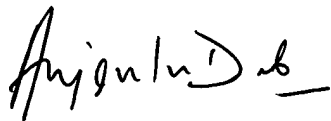
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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***Contact Information***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Anjan K. Deb whose telephone number is (703) 308-2941. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, N. Le, can be reached at (703)-308-0750.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone numbers are (703)-308-0956 and (703)-305-4900.



**Anjan K. Deb**

Patent Examiner

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5/3/03

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